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JUNE 14, 1999

PTAS

CHRISTIE, PARKER & HALE, LLP
JOHN W. ELDREDGE
P.O. BOX 7068
PASADENA, CA 91109-7068



101001265A

CASE # 33170

RECORDATION DATE

DEADLINE

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/22/1999

REEL/FRAME: 9856/0680
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
SONE, MASAHIRO

DOC DATE: 03/18/1999

ASSIGNEE:
FUJITSU LIMITED
1-1 KAMIKODANAKA 4-CHOME, NAKAHARA-
KU, KAWASAKI-SHI
KANAGAWA, JAPAN 211-8588

SERIAL NUMBER: 09274429
PATENT NUMBER:

FILING DATE: 03/22/1999
ISSUE DATE:

KIMBERLY WHITE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

3-22-99

FORM PTO-1595

RECC

04-05-1999

Docket No. 33170/JWE/F179

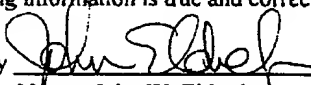
Box Assignment
Commissioner of Patents and Trademarks
Washington, D.C. 20231



101001265

Post Office Box 7068
Pasadena, CA 91109-7068

Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof:

<p>1. Name of conveying party(ies): Masahiro Sone</p> <p>Additional name(s) of conveying party(ies) attached: NO</p>		<p>2. Name and address of receiving party(ies): Name: FUJITSU LIMITED</p> <p>Street Address: 1-1 Kamikodanaka 4-chome, Nakarara Ku, Kawasaki-sbi Kanagawa 211-8588 JAPAN</p>			
<p>3. Name of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:</p> <p>Execution Date: March 18, 1999</p>		<p>Additional name(s) & address(es) attached? NO</p>			
<p>4. Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application, the execution date of the application is: March 18, 1999</p> <table border="1"> <tr> <td>A. Patent Application No.(s) 09274429</td> <td>B. Patent No.(s)</td> </tr> </table> <p>Additional numbers attached? no</p>				A. Patent Application No.(s) 09274429	B. Patent No.(s)
A. Patent Application No.(s) 09274429	B. Patent No.(s)				
<p>5. Please return the recorded document and address all correspondence to:</p> <p>CHRISTIE, PARKER & HALE, LLP P.O. Box 7068 Pasadena, CA 91109-7068 Attention: John W. Eldredge</p>		<p>6. Total number of applications and patents involved..... 1</p>			
<p>10. <input type="checkbox"/> Explanatory letter is enclosed.</p>		<p>7. <input checked="" type="checkbox"/> Total fee enclosed (37 CFR 3.41): \$ 40.00</p> <p>8. <input checked="" type="checkbox"/> Any deficiency or overpayment of fees should be charged or credited to Deposit Account No. 03-1728, except for payment of issue fees required under 37 CFR § 1.18. Please show our docket number with any credit or charge to our Deposit Account.</p>			
<p>9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</p> <p>Date: March 22, 1999</p> <p>By  Name: John W. Eldredge 626/795-9900</p> <p><i>This paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" under 37 CFR § 1.10 Mailing Label No. EL266376659 US</i></p> <p>Total number of pages including cover sheet attachments, and document: 3</p>					

JWE/mg

MG IRV19467.1-0-3/22/99 3:51 pm

Docket No. 33170/JWE/F179

Sole

ASSIGNMENT

WHEREAS, I, MASAHIRO SONE, residing at 1224 Greystone Park Drive, Raleigh, North Carolina 27615, have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled **HOUSEHOLD CONSUMABLE ITEM AUTOMATIC REPLENISHMENT SYSTEM INCLUDING INTELLIGENT REFRIGERATOR**, and executed by me on even date herewith;

AND WHEREAS FUJITSU LIMITED, a Japan corporation, having a place of business at 1-1 Kamikodanaka 4-chome, Nakahara Ku, Kawasaki-shi, Kanagawa 211-8588 JAPAN (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said improvements and application.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to said improvements, and said application and all divisions and continuations thereof, and all United States Letters Patents which may be granted thereon and all reissues, reexaminations and extensions thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all continuations, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said improvements in any foreign countries; and I hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to ASSIGNEE in accordance with the terms of this Assignment;

AND I HEREBY covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith;

AND I HEREBY further covenant and agree that I will communicate to ASSIGNEE any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said improvements in all countries.

ASSIGNMENT (Sole)
Docket No. 33170/JWE/F179

Page 2

IN TESTIMONY WHEREOF, I hereunto set my hand this 18th day of March, 1999.

Masahiro Sone
Masahiro Sone

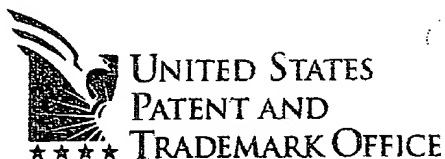
STATE OF)
COUNTY OF)

On _____, before me _____, Notary Public, personally appeared Masahiro Sone personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary

JWE/mg
MG IRV19206.1 *-3/18/99 10:34 am



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MARCH 05, 2002

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CHRISTIE, PARKER & HALE, LLP
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PASADENA, CA 91109-7068

Chief Information Officer
Washington, DC 20231
www.uspto.gov



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RECORDATION DATE: 01/09/2002

REEL/FRAME: 012445/0306
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

OGASAWARA, NOBUO

DOC DATE: 09/27/1999

ASSIGNEE:

FUJITSU LIMITED
1-1 KAMIKODANAKA 4-CHOME, NAKAHARA-
KU
KAWASAKI-SHI, KANAGAWA 211-8508

JAPAN

SERIAL NUMBER: 09973303
PATENT NUMBER:

CASE # 47410 ACTION _____
REMINDER _____ DUE DATE _____
DEADLINE _____

FILING DATE: 10/09/2001
ISSUE DATE:

JEFFREY OLSEN, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

FORM PTO-1595

RECOI



101944688

Docket No. 47410/JEC/F179

1-9.2
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Washington, D.C. 20231

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Pasadena, CA 91109-7068

Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof:

1. Name of conveying party(ies): Nobuo Ogasawara Additional name(s) of conveying party(ies) attached: no		2. Name and address of receiving party(ies): Name: FUJITSU LIMITED Street Address: 1-1 Kamikodanaka 4-chome, Nakahara-ku Kawasaki-shi, Kanagawa 211-8588 JAPAN	
3. Name of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: September 27, 1999		Additional name(s) & address(es) attached? no	
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: . A. Patent Application No.(s) 09/973,303 B. Patent No.(s) <div style="text-align: center;"></div> Additional numbers attached? no			
5. Please return the recorded document and address all correspondence to: CHRISTIE, PARKER & HALE, LLP P.O. Box 7068 Pasadena, CA 91109-7068 Attention: Josephine E. Chang		6. Total number of applications and patents involved..... 1	
10. <input type="checkbox"/> Explanatory letter is enclosed.		7. <input checked="" type="checkbox"/> Total fee enclosed (37 CFR 3.41): \$ 40.00 8. <input checked="" type="checkbox"/> Any deficiency or overpayment of fees should be charged or credited to Deposit Account No. 03-1728, except for payment of issue fees required under 37 CFR § 1.18. Please show our docket number with any credit or charge to our Deposit Account.	
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Date: November 9, 2001 By Name: Josephine E. Chang 626/795-9900 <div style="display: flex; justify-content: space-between;"><div>I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE U.S. POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: ASSISTANT COMMISSIONER FOR PATENT, WASHINGTON, D.C. 20231 ON 1-9-01 DATE</div><div> SIGNATURE</div></div> <div style="display: flex; justify-content: space-between;"><div>Total number of pages including cover sheet, attachments, and document:</div><div>2</div></div>			

JEC/daa

DAA PAS394197.1.*.11/8/01 5:12 PM

Docket No. 34175/DB1 5Return to:
CHRISTIE, PARKER & HALE, LLP
Post Office Box 7068
Pasadena, CA 91109-7068

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

(1) Nobuo Ogasawara

HEREBY SELL(S), ASSIGN(S) AND TRANSFER(S) TO

(2) FUJITSU LIMITED having a place of business at(3) 1-1, Kamikodanaka 4-chome, Nakahara-ku,Kawasaki-shi, Kanagawa 211-8588 JAPAN

(hereinafter called "ASSIGNEE") the entire right, title and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled

(4) SYSTEM AND METHOD FOR MANAGING EXPIRATION-DATED PRODUCTS
UTILIZING AN ELECTRONIC RECEIPT

which application was:

(a) executed by the undersigned on (5a) _____

(b) filed on (5b) September 21, 1999and assigned Application No. 09/400,124 (to be filled-in when known)

including any and all United States Patents which may be granted on said application, and any and all extensions, divisions, reissues, substitutes, renewals or continuations of said application and patents, and the right to all benefits under all international conventions for the protection of industrial property and applications for said improvements.

It is hereby authorized and requested that the Commissioner of Patents issue any and all of said Letters Patent, when granted, to said ASSIGNEE, its assigns or its successors in interest or its designee.

Upon said consideration, it is further agreed that, when requested, without charge to but at the expense of said ASSIGNEE, the undersigned will execute all divisional, continuing, substitute, renewal, and reissue patent applications; execute all rightful other papers; and generally do everything possible which said ASSIGNEE shall consider desirable for aiding in securing and maintaining patent protection as provided herein.

DATE:

9/27/99

INVENTOR(S):

Nobuo Ogasawara

WITNESSES:

MAC PAS205956.1*-9/21/99 9:50 am